



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 15, 2014

Kate Ingram  
Sr Product Reg Specialist  
Solenis LLC  
500 Hercules Road  
Wilmington, DE 19808

Subject: Label Notification per PRN 98-10 – Change primary brand name to ‘Spectrum RX3100 microbiocide agent’  
Product Name: Spectrum RX3100 microbiocide agent  
EPA Registration Number: 74655-7  
Application Date: November 20, 2014  
Decision Number: 497628

Dear Ms. Ingram:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records. If you have any questions, please contact Elizabeth Watkins by phone at 703-347-0241, or via email at [Watkins.Elizabeth@epa.gov](mailto:Watkins.Elizabeth@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Elizabeth H. Watkins" with a small "foz" written below it.

Seiichi Murasaki  
Acting Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

# SPECTRUM™ RX3100 microbiocide agent

## ACTIVE INGREDIENTS

Dodecylguanidine Hydrochloride.....10.6%  
Methylene Bis(thiocyanate).....5.0%  
OTHER INGREDIENTS\* .....84.4%  
TOTAL.....100.0%

\*Inert ingredients include solubilizing and dispersing agents.

Contents: liquid

Pounds per gallon: 9.2 lb/gal (60°F)

EPA Reg. No. 74655-7

EPA Est. No. 74655-GA-001  
74655-TX-1  
74655-OR-001  
3876-CA-02  
3876-IL-01  
3876-OH-01  
3876-TX-02

**Hercules Incorporated, A wholly owned subsidiary of Ashland Inc.**

**500 Hercules Rd**

**Wilmington, DE 19808**

**(302) 594-5000**

**Emergency Phone Number**

**1-800-ASHLAND (1-800-274-5263)**

For Industrial Use. Technical advice regarding specific problems is available from Hercules Incorporated, A wholly owned subsidiary of Ashland Inc. A Material Safety Data Sheet containing more detailed information relative to this product is available upon request.

MADE IN USA

Produced for Hercules Incorporated, A wholly owned subsidiary of Ashland Inc.

## NOTIFICATION

74655-7

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

12/15/2014

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. MAY BE FATAL IF INHALED. HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. Do not get into eyes, on skin or on clothing. Do not inhale vapor or mist. Use with adequate ventilation. Wear rubber gloves, goggles and face shield when handling. Immediately remove and wash contaminated clothing before reuse. Wash thoroughly after handling. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear: Coveralls over short-sleeved shirt and short pants, Socks and chemical-resistant footwear, Goggles or face shield, Chemical-resistant gloves (such as barrier laminate, butyl nitrile, or neoprene rubber, polyvinyl chloride or viton), A non-powered air-purifying respirator with an organic-vapor (OV) removing cartridge or canister plus an N-, R-, or P- series filter. In addition, loaders and cleaners of equipment must wear a chemical-resistant apron.

**USER SAFETY REQUIREMENTS**

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove personal protective equipment immediately after handling this product. Wash outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

This product may cause skin sensitization in some people.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish aquatic invertebrates, shrimp and oysters. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL AND CHEMICAL HAZARDS**

Combustible. Do not use, pour or store near heat or open flame.

# KEEP OUT OF REACH OF CHILDREN DANGER

## FIRST AID

### IF IN EYES:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

### IF INHALED:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

### IF ON SKIN OR CLOTHING:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

### IF SWALLOWED:

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

## FOR EMERGENCY INFORMATION CALL 1-800-ASHLAND

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

## STORAGE AND DISPOSAL

**PESTICIDE STORAGE:** Keep container tightly closed. Protect from freezing. Store in a dry place. Do not store at elevated temperatures.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous and/or toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING** - Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning, if appropriate. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**DIRECTIONS FOR USE:**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**GENERAL PRECAUTIONS AND RESTRICTIONS:**

Do not apply this product in a way that will contact workers or other persons.

**PULP AND PAPER SYSTEMS**

This product aids in the control of objectionable bacteria and fungi in pulp, paper mill and the additive system, and for the preservation of pulp, pigment slurries, alum, emulsions, adhesives, defoamers, polymers and paper products. Additions can be made on a continuous or intermittent basis depending upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**FOR SLIME CONTROL**

This product should be added directly to the pulp and paper mill system. Apply at a point in the system where the product will be uniformly mixed.

**INTERMITTENT OR SLUG METHOD-INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.1 to 1.0 pound per ton of pulp or paper produced. Additions to additive system should be made directly at the rate of 0.5 to 4.0 pound (60 to 480 ppm) per 1000 gallons. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.1 to 0.5 pound per ton of pulp and paper produced. Treat the system as needed to maintain control. Additions to the additive system may be reduced to 0.25 to 2.0 pound (30 to 240 ppm) per 1000 gallons. **CONTINUOUS FEED METHOD-INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.1 to 1.0 pound per ton of pulp or paper produced. Additions to additive system should be made directly at the rate of 0.5 to 4.0 pound (60 to 480 ppm) per 1000 gallons. Continue until control is achieved. **SUBSEQUENT DOSE:** Maintain the following level by continuous feed of this product at the rate of 0.1 to 0.3 pound per ton of pulp and paper produced. Additions to the additive system should be at the rate of 0.1 to 1.5 pound (12 to 180 ppm) per 1000 gallons.

**MOLD INHIBITION IN PAPER AND PAPERBOARD**

This product is used to inhibit fungal growth which causes discoloration, odor and degradation in paper and paperboard grades for construction, industrial and non-food uses.

This product may be applied to the hydropulper or dump chest at the rate of 5.0 to 20.0 pound per ton of dry fiber produced. Application can also be made at the size press or water box. In this case the application is made at the rate of 200 to 1000 ppm of this product in the sizing solution applied to the paper sheet.

**FOR PRESERVATION**

This product should be added directly to the material to be preserved prior to manufacturing into the finished product, i.e., pulp, broke, polymer, defoamers, alum, emulsions, adhesives, papermill coatings, pigment slurries and paper products. The dosage rate will depend upon the material to be preserved and the storage time.

The usual additions should be 200 to 300 ppm and under extreme conditions of spoilage the dosage rate should be increased to 250 to 800 ppm. The above recommendations are based on a maximum storage time of 2 weeks. For storage time greater than 2 weeks, the maximum concentration should be increased to 1000 ppm.

## **RECIRCULATING COOLING WATER SYSTEMS**

This product aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems such as flow through filters, lagoons, industrial water scrubbing systems and brewery pasteurizers. This product may be added to the systems either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

## **FOR CONTROL OF BACTERIA, FUNGI AND ALGAE**

**INTERMITTENT OR SLUG METHOD-INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.2 to 1.0 pound (24 to 120ppm) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.1 to 0.75 pound (12 to 90ppm) per 1000 gallons of water in the system every 3 days or as needed to maintain control.

**CONTINUOUS FEED METHOD-INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.2 to 1.0 pound (24 to 120ppm) per 1000 gallons of water in the system. **SUBSEQUENT DOSE:** Continuously feed this product to maintain a dosage of 0.1 to 0.75 pound (12 to 90ppm) per 1000 gallons of water in the system.

## **AIR WASHERS**

For use only in industrial air washer systems that maintain effective mist eliminating components. This product controls slime forming bacterial and fungi in industrial air washer systems. Add 0.1 to 1.0 pound (12 to 120ppm) of this product per 1000 gallons of water in the system, depending upon the severity of contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**INTERMITTENT OR SLUG METHOD-INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.2 to 1.0 pound (24 to 120ppm) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.1 to 0.75 pound (12 to 90ppm) per 1000 gallons of water in the system every 3 days or as needed to maintain control.

**CONTINUOUS FEED METHOD-INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.2 to 1.0 pound (24 to 120ppm) per 1000 gallons of water in the system. **SUBSEQUENT DOSE:** Maintain this level by pumping a continuous feed of this product at the rate of 0.1 to 0.75 pound (12 to 90ppm) per 1000 gallons of water in the system per day.